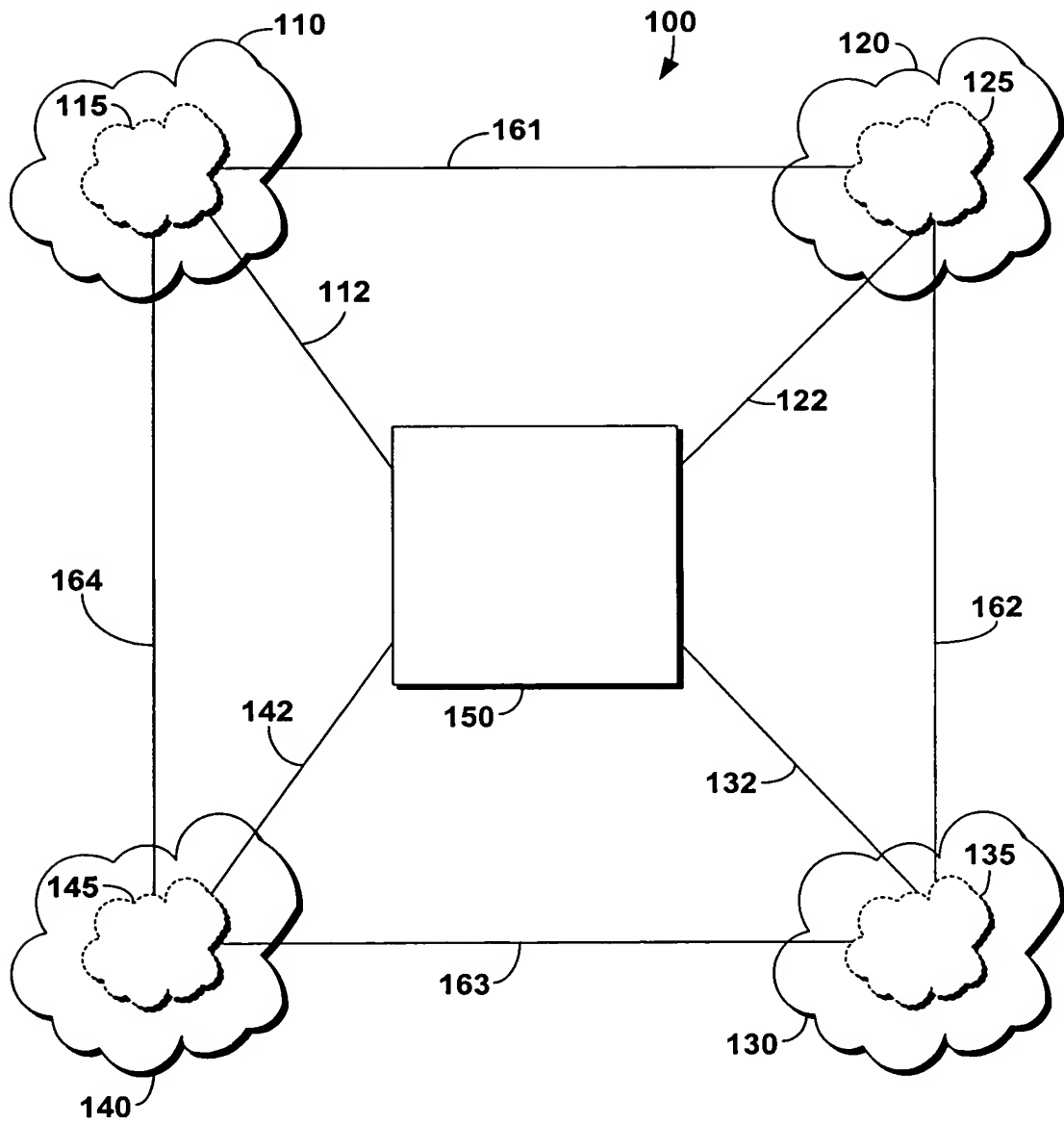


**FIG . 1.**



**FIG . 2.**

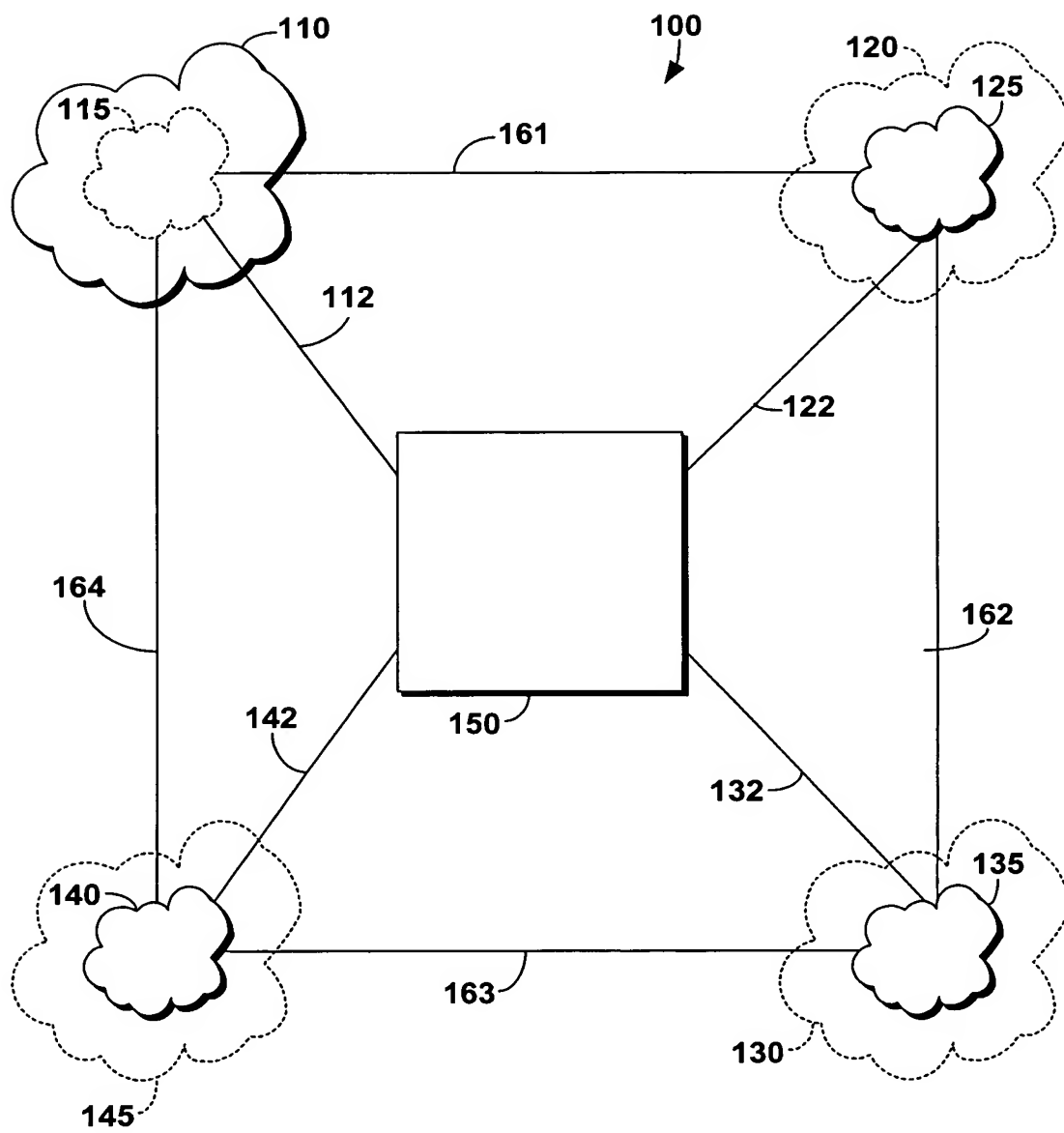
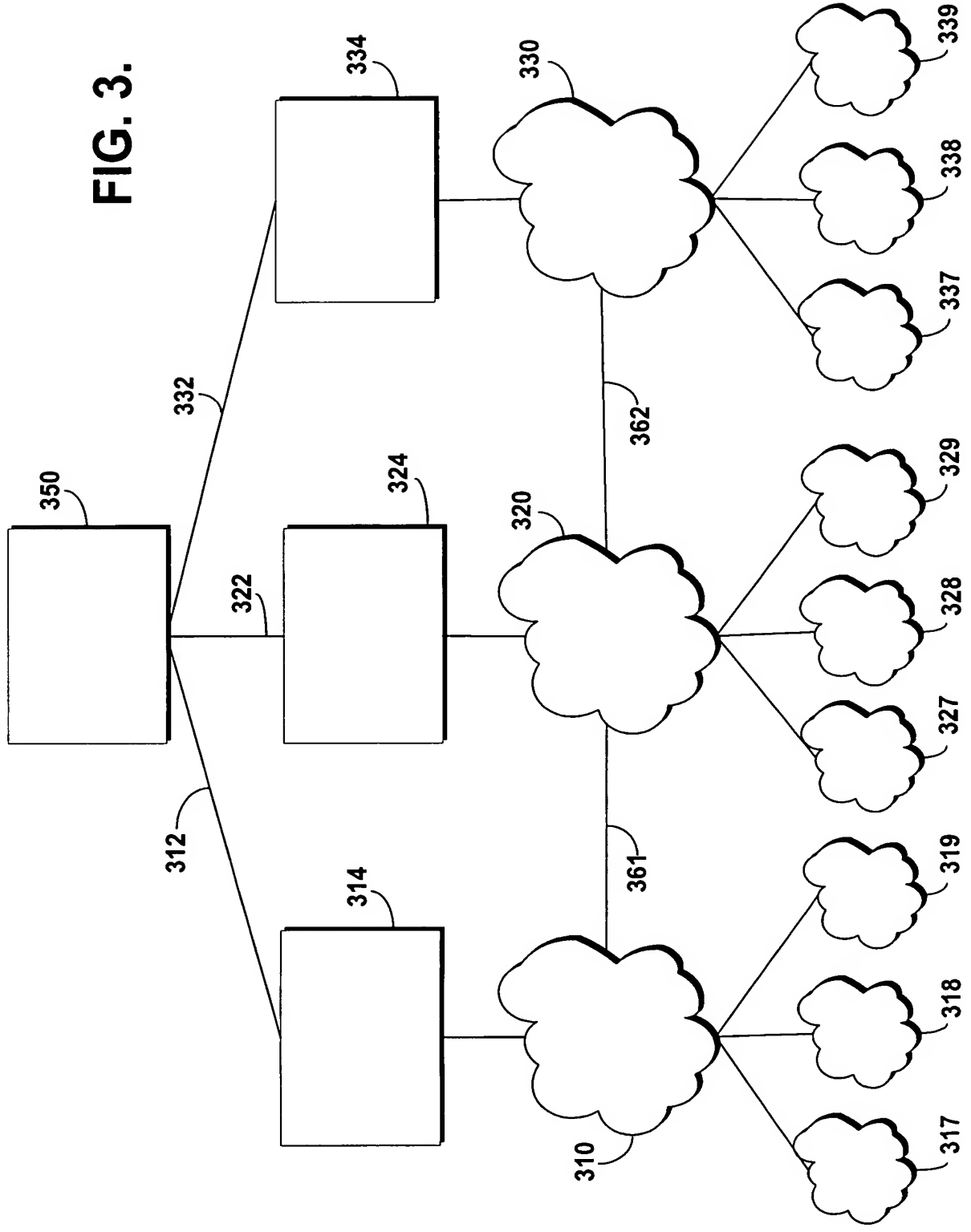


FIG. 3.



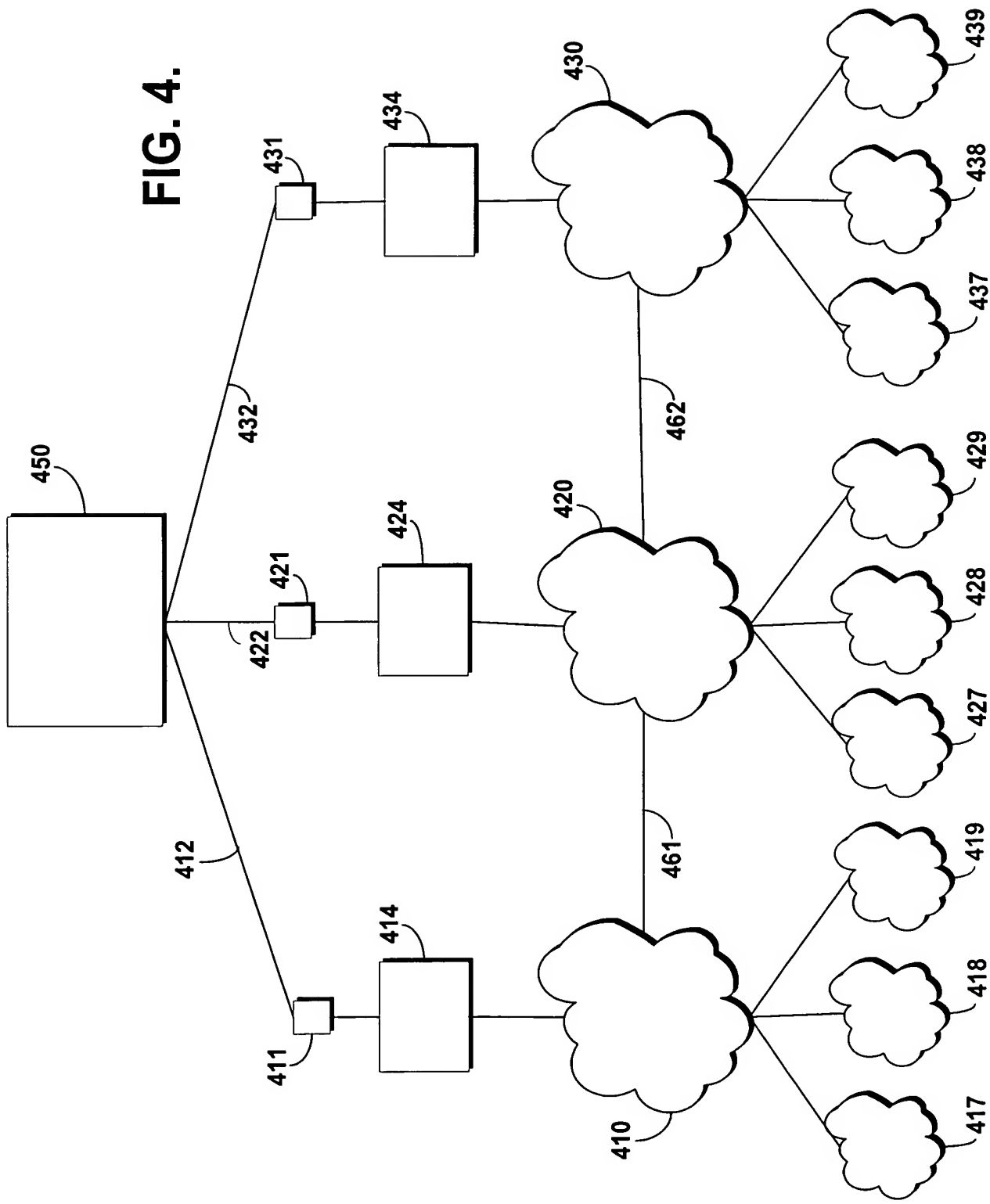
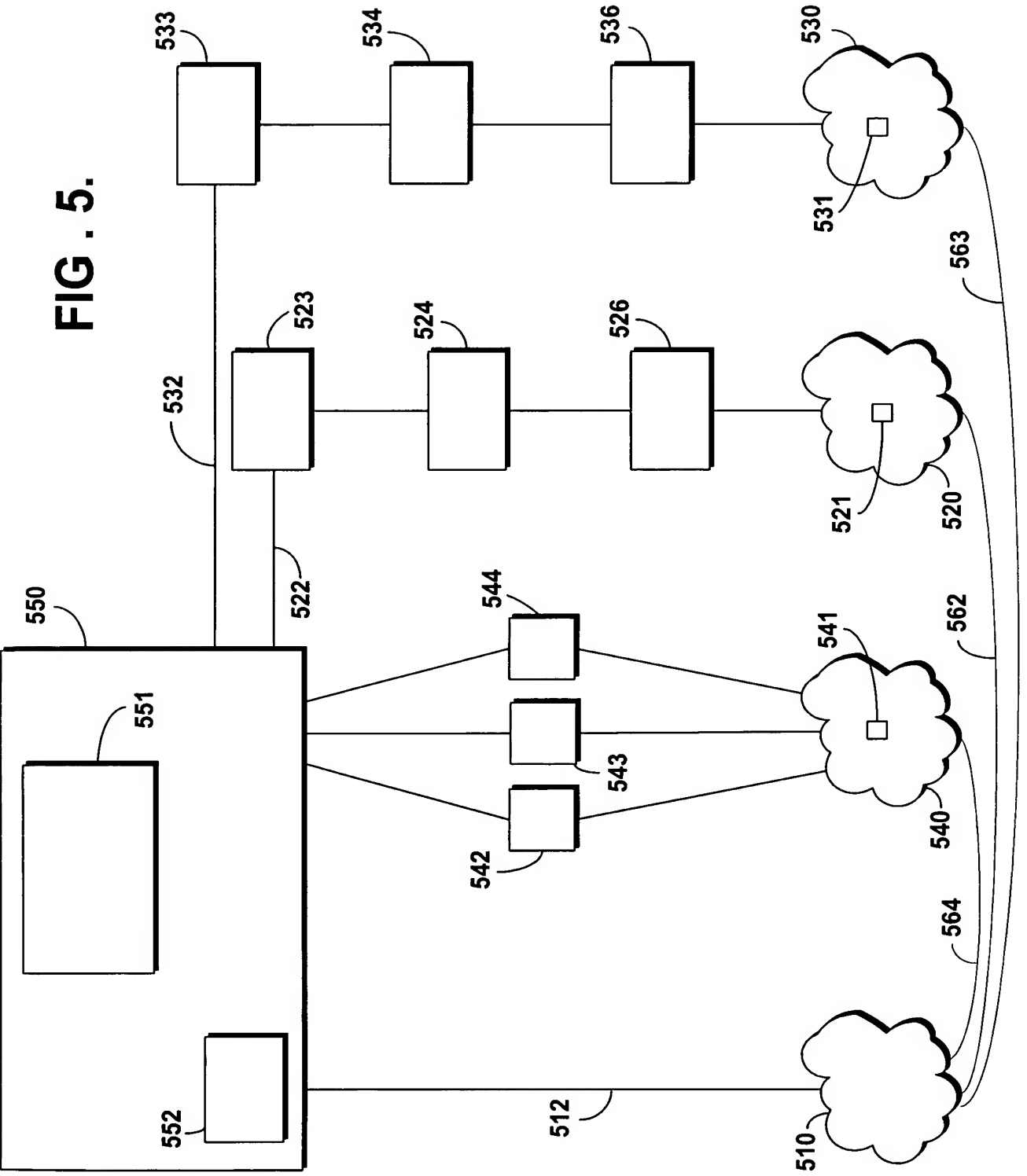


FIG. 4.

**FIG. 5.**

The diagram illustrates a network architecture. A central system 550, represented by a large rectangle, contains two sub-components: 551 (a larger rectangle) and 552 (a smaller rectangle). System 550 is connected to a cloud 510 on the left. A line 512 extends from cloud 510 to a vertical stack of three server blocks labeled 542, 543, and 544. System 550 is also connected to a horizontal line 522, which branches into three paths. The top path leads to a cloud 540, which is connected to a server block 541. The middle path leads to a cloud 520, which is connected to a server block 521. The bottom path leads to a cloud 530, which is connected to a server block 531. Each of these server blocks (541, 521, 531) is connected to a corresponding server block (544, 524, 534) and then to a final server block (543, 526, 536). These final server blocks are connected to a common horizontal line 562, which then connects to a final cloud 560 on the right. A curved line 564 connects cloud 510 to cloud 560.



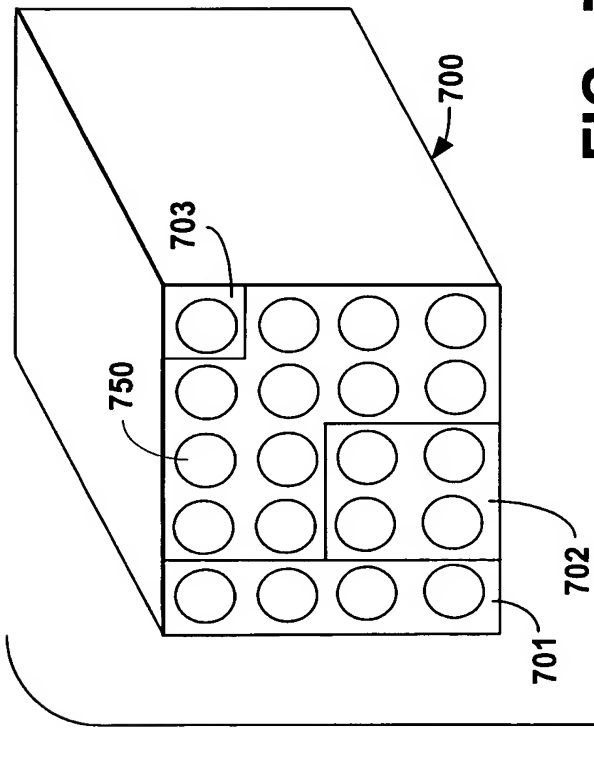


FIG . 7.

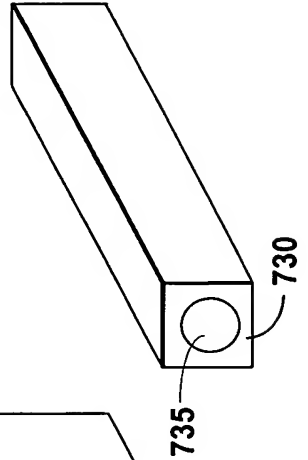
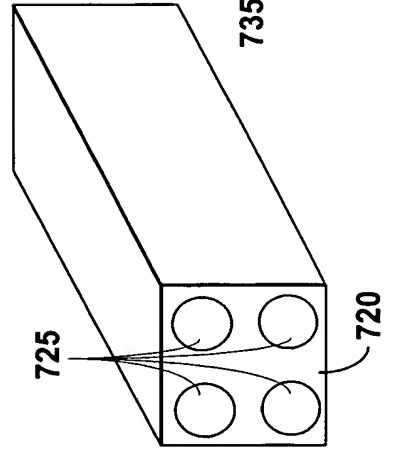
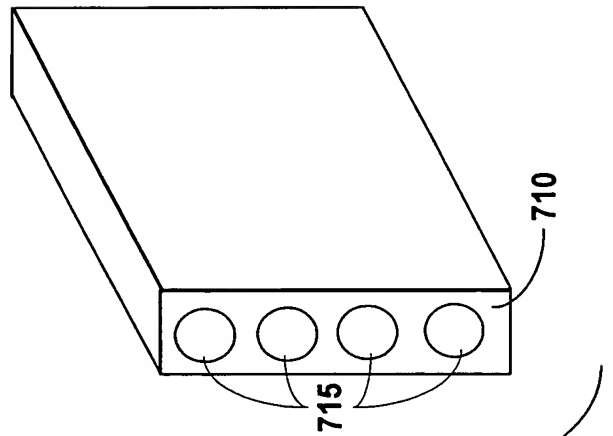


FIG . 6.

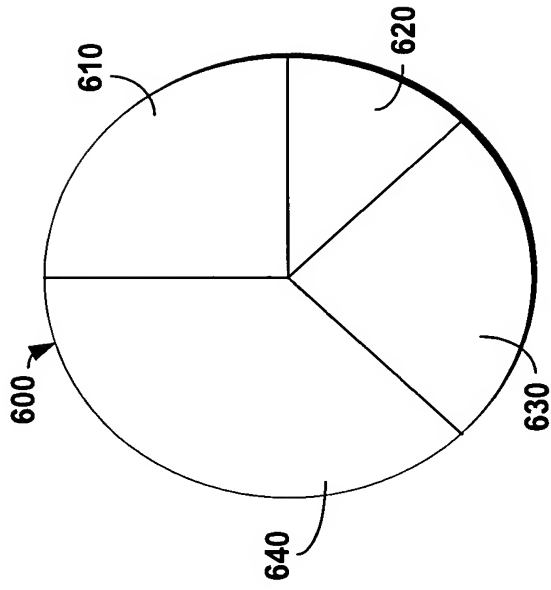


FIG . 8.

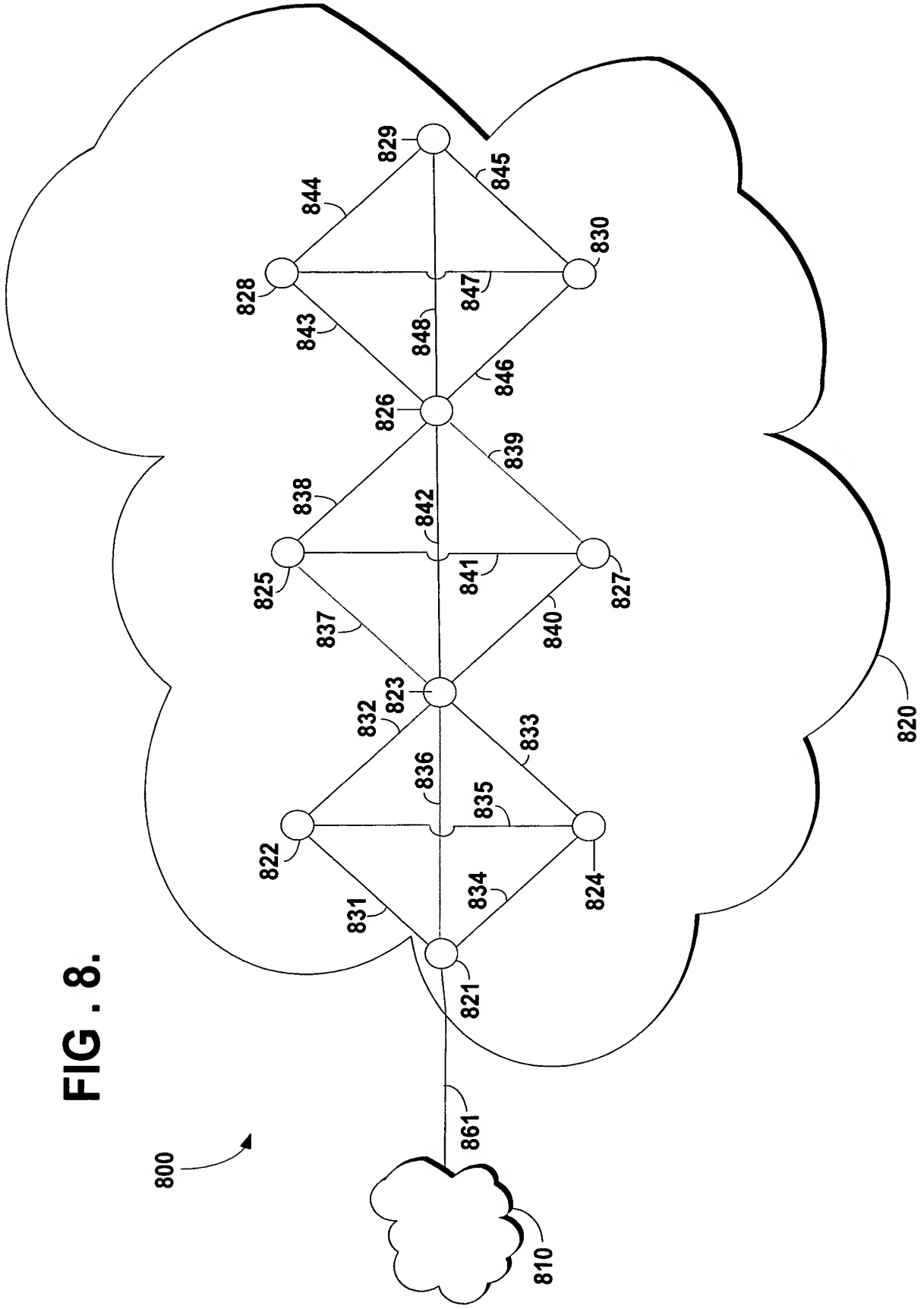
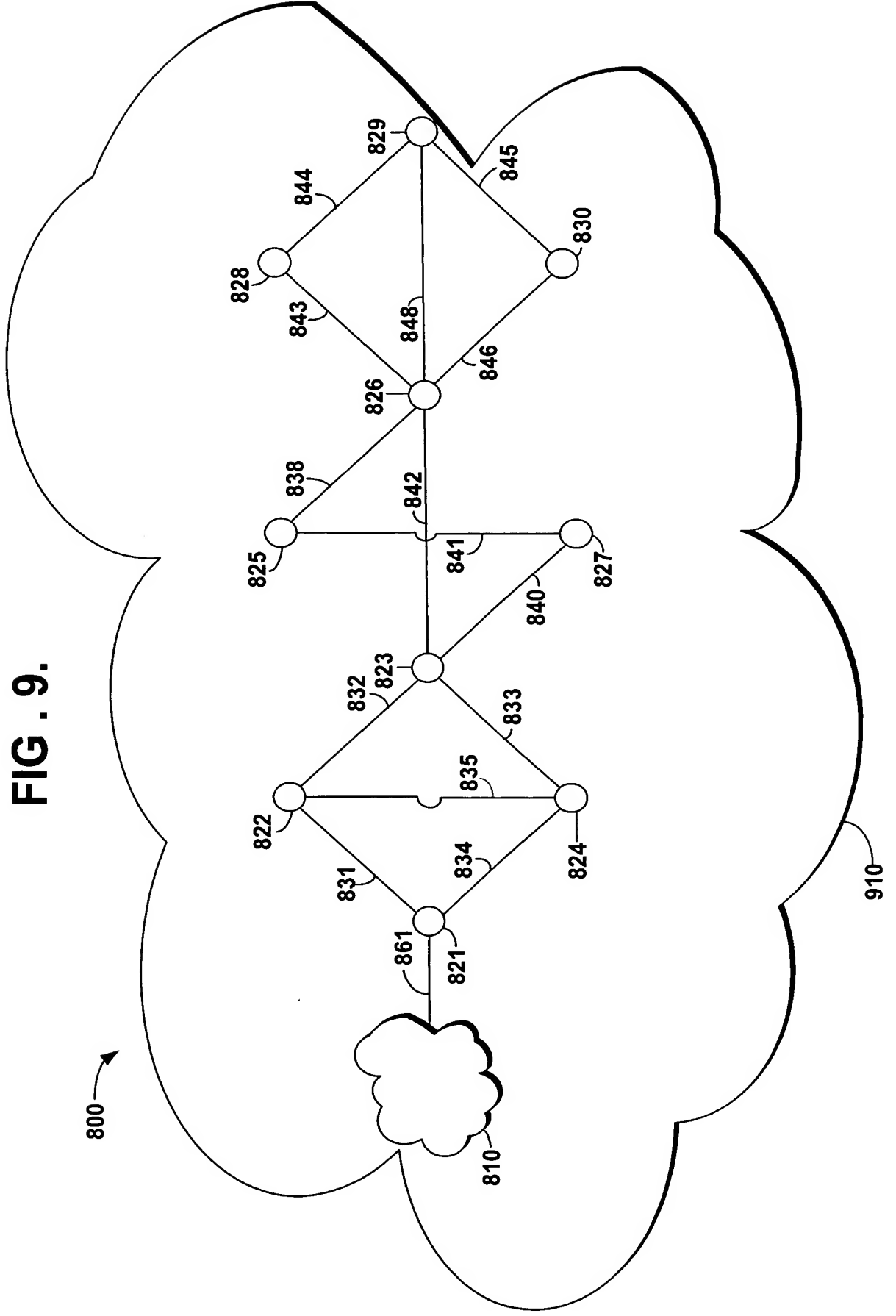


FIG . 9.





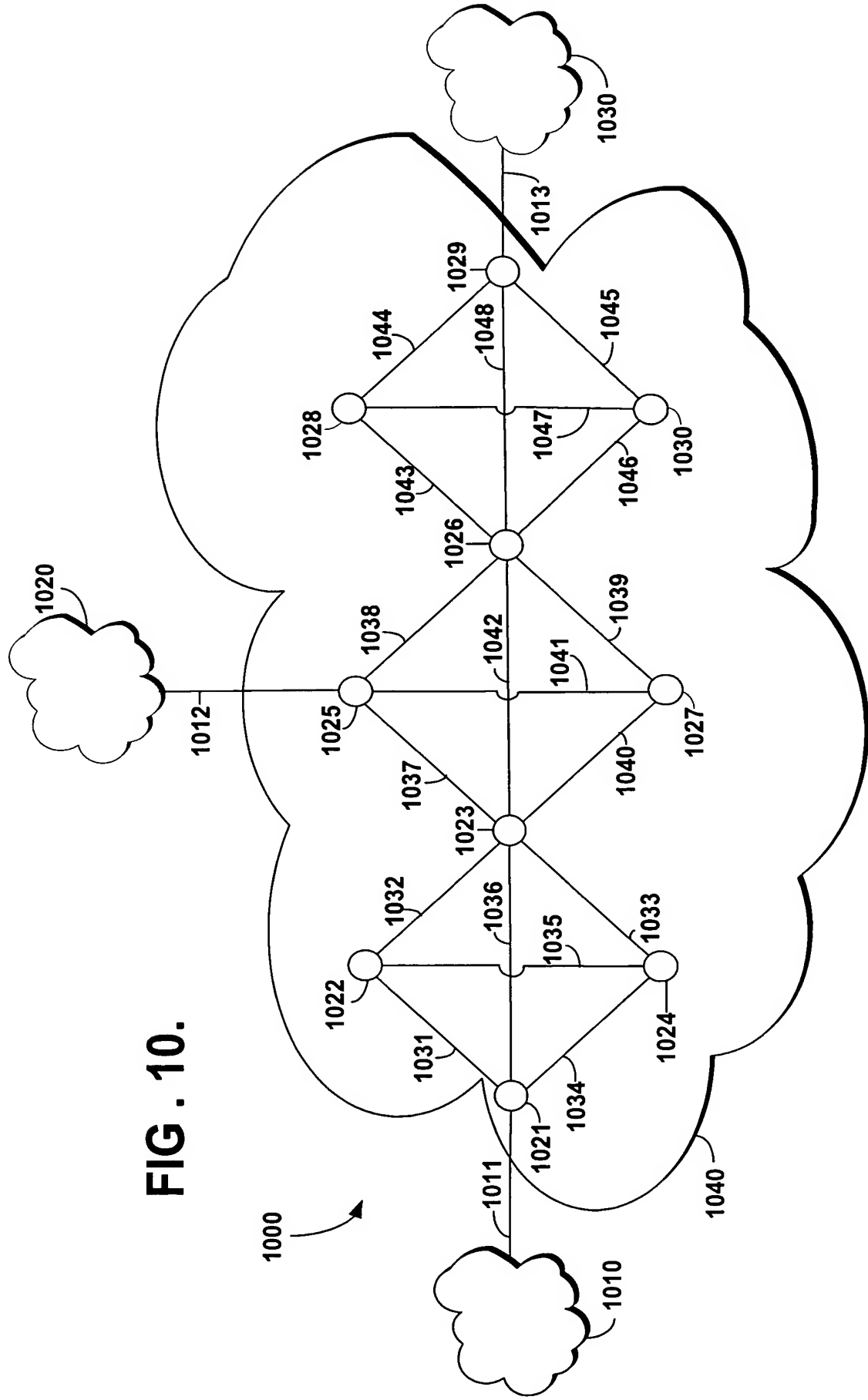
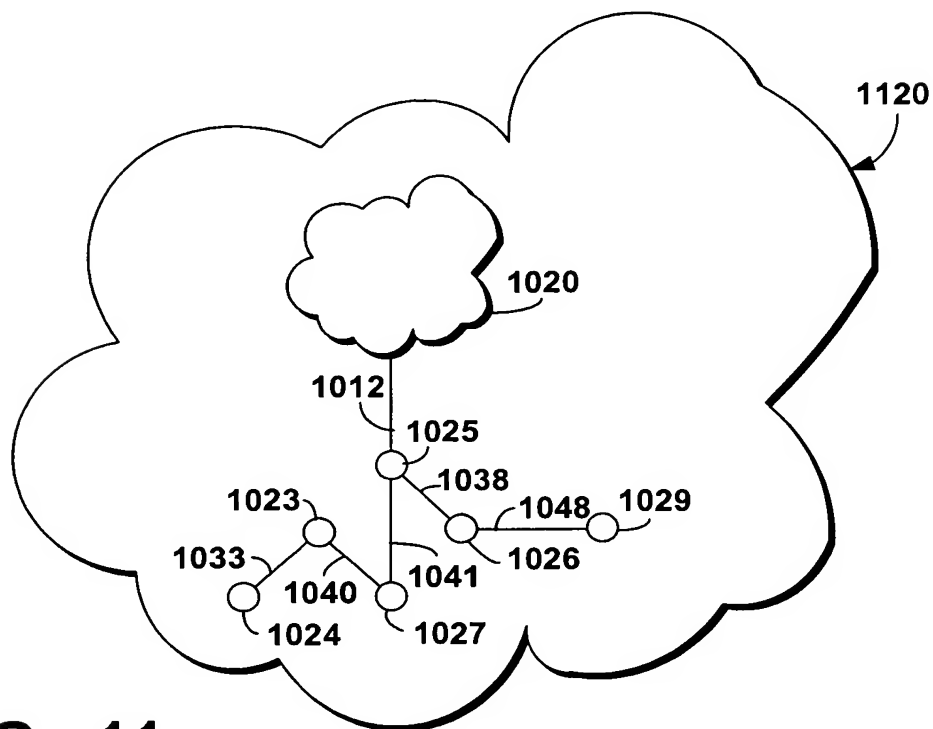
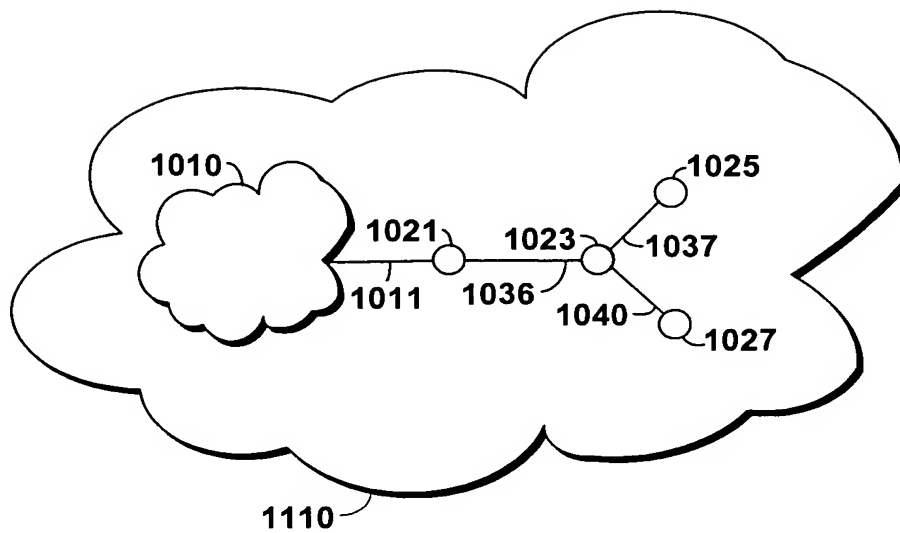


FIG. 10.



**FIG . 11.**

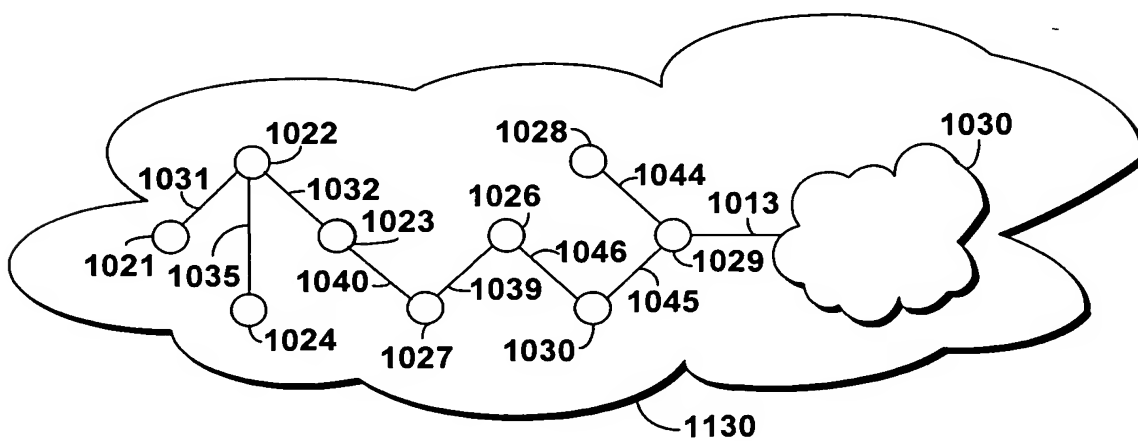
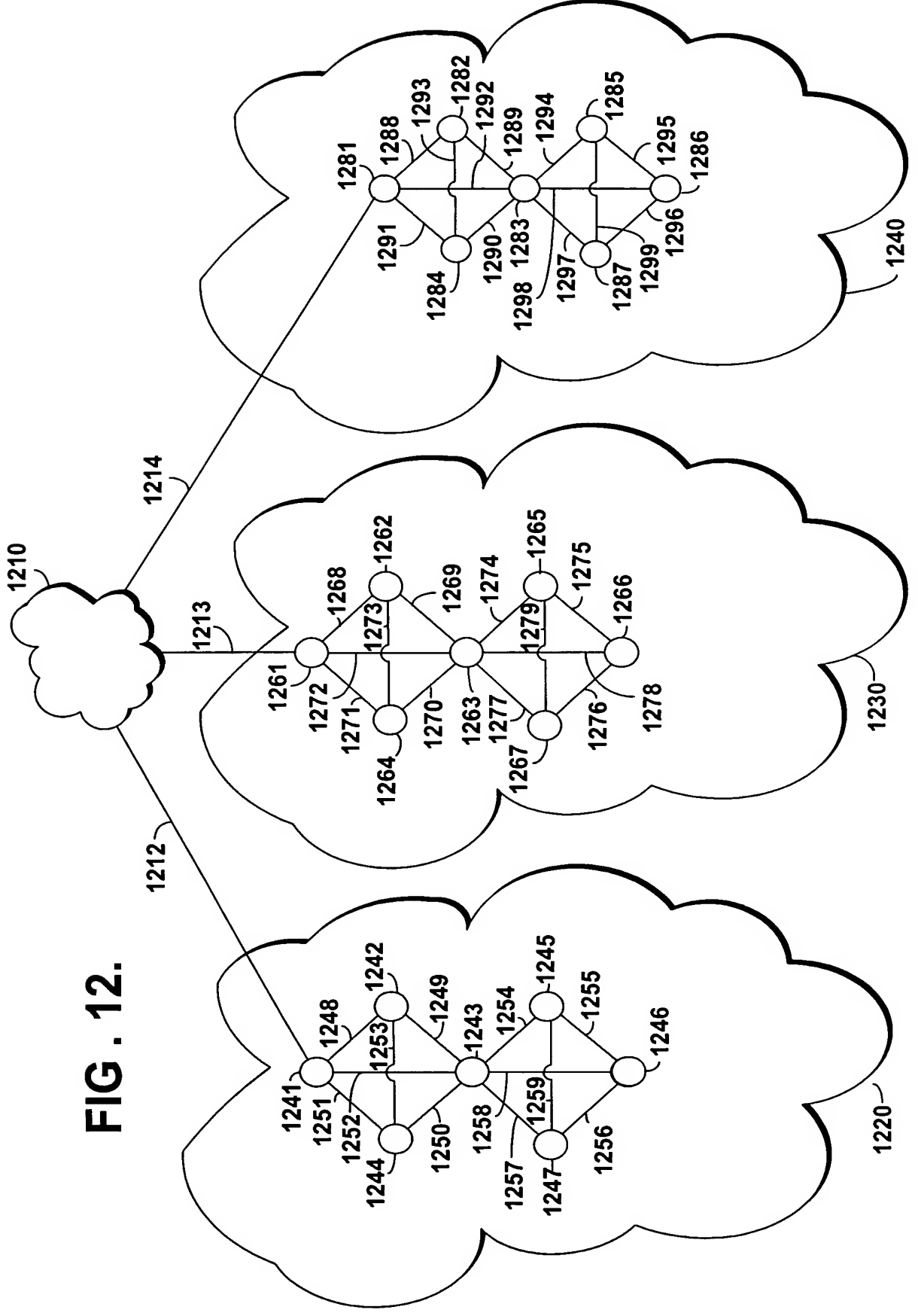
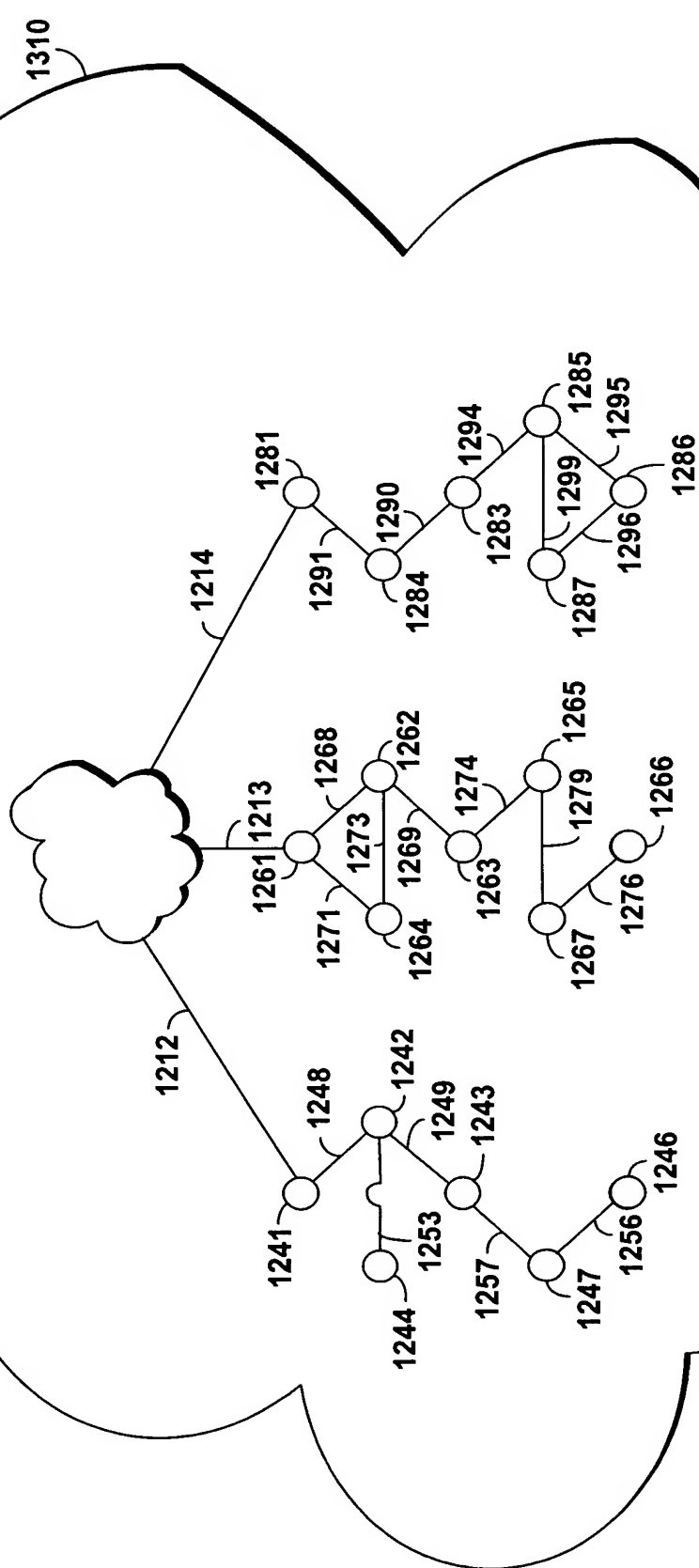


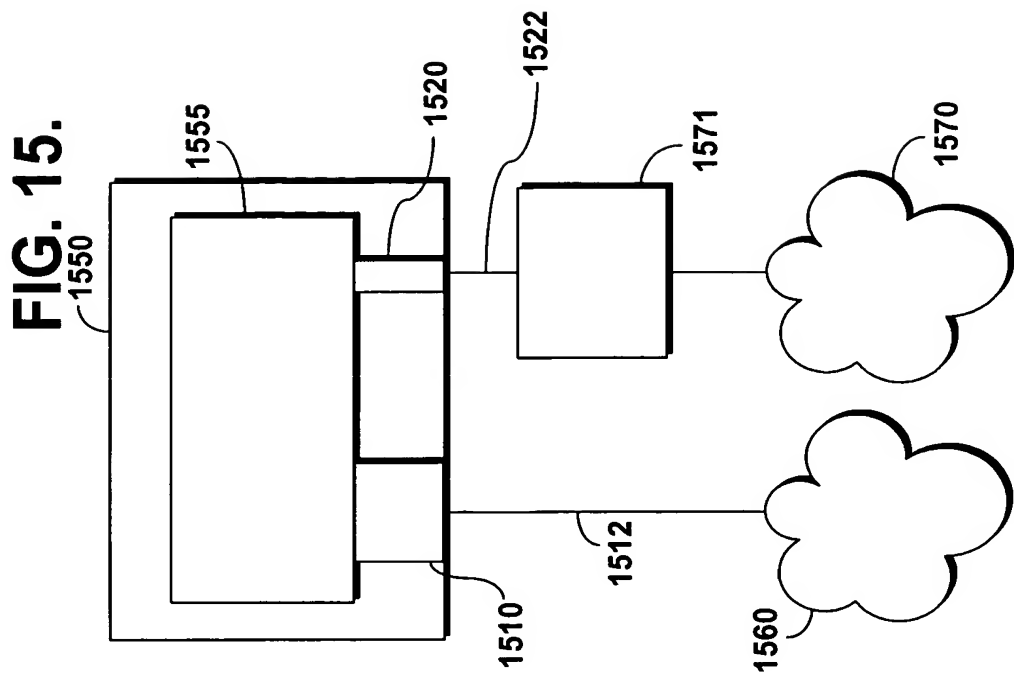
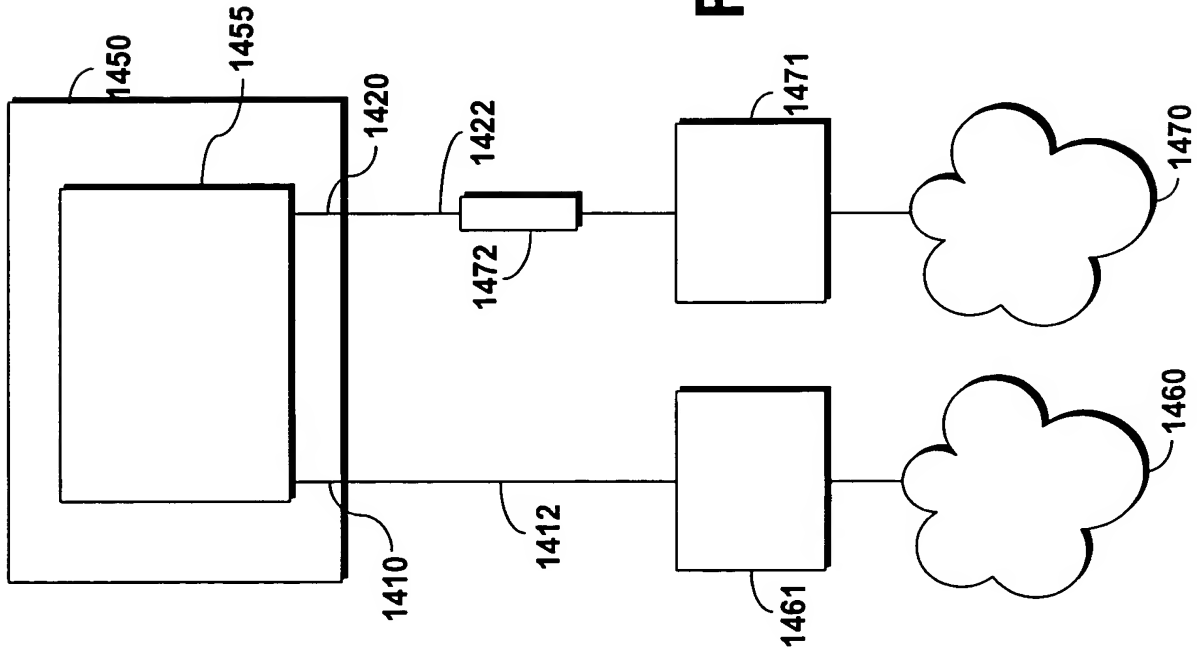
FIG. 12.

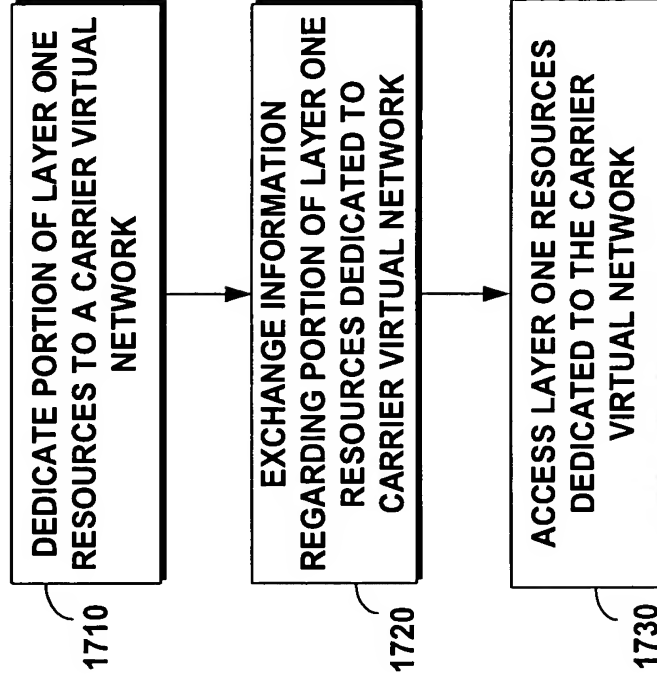


**FIG. 13.**

The diagram illustrates a network topology within a cloud environment 1310. A central cloud icon is connected to three main branches: 1212, 1214, and 1216. Branch 1212 includes nodes 1241, 1248, 1242, 1249, 1243, 1244, 1253, 1257, 1247, 1256, and 1246. Branch 1214 includes nodes 1261, 1268, 1271, 1273, 1269, 1264, 1274, 1263, 1279, 1267, 1276, 1265, and 1266. Branch 1216 includes nodes 1281, 1291, 1290, 1284, 1294, 1283, 1287, 1299, 1285, 1295, 1296, and 1286. The nodes are interconnected in a complex manner, with some nodes having multiple connections to other nodes in the same branch or across branches.

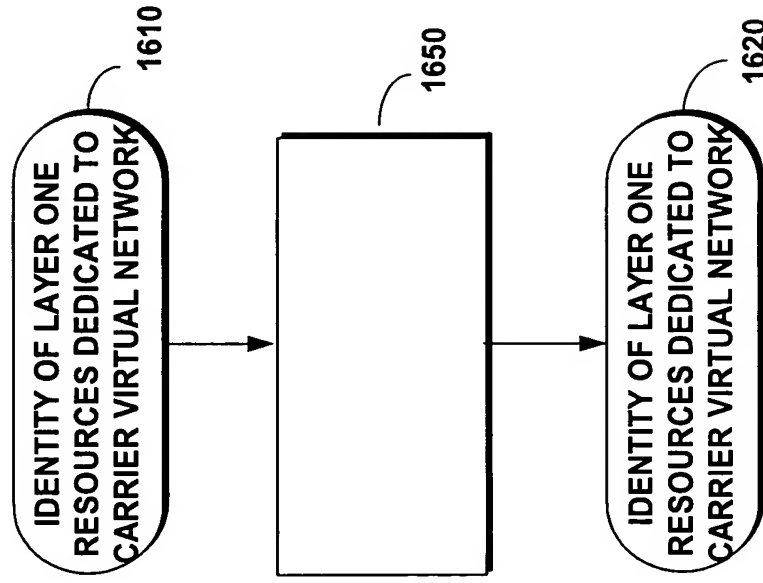




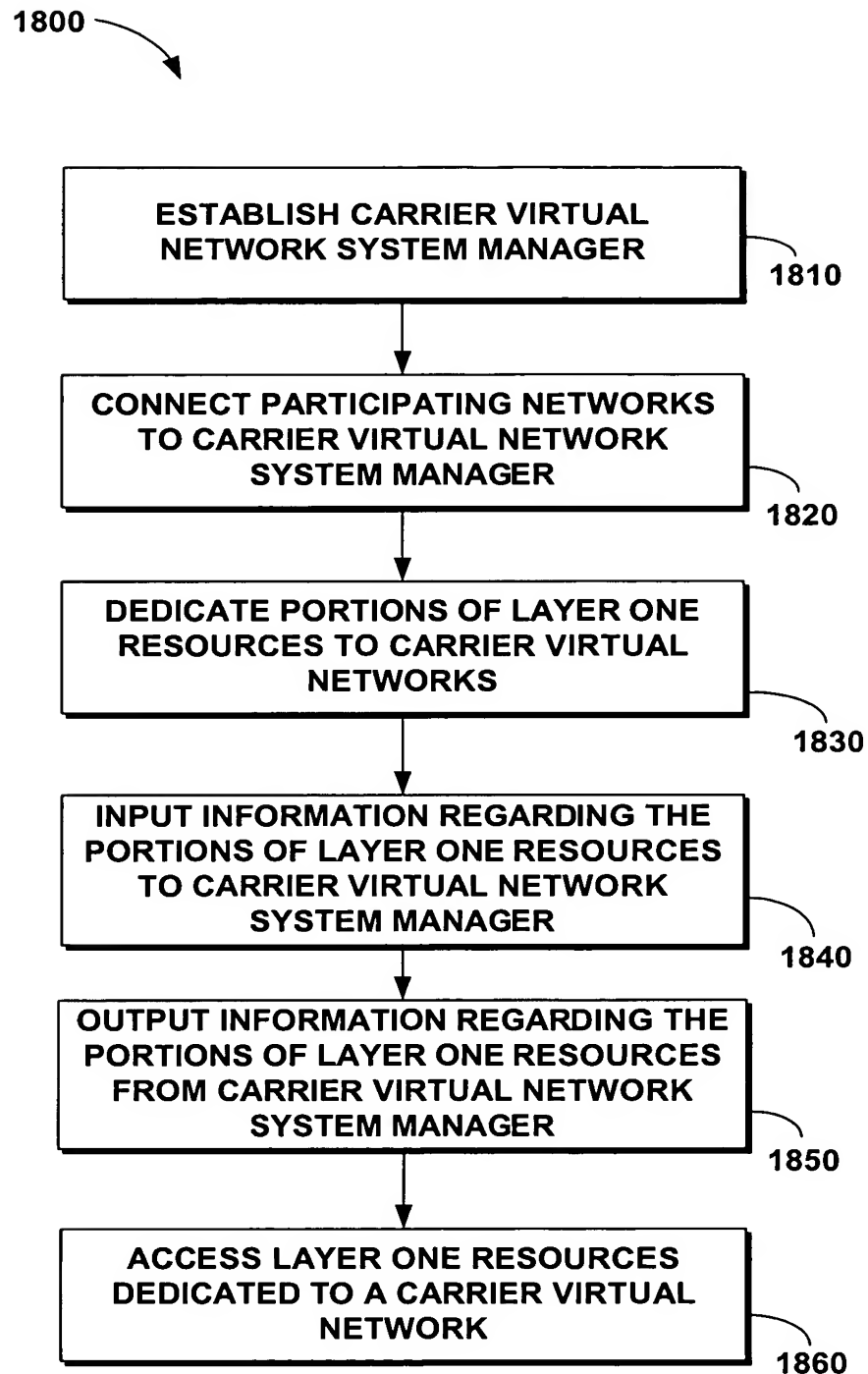


**FIG. 17.**

1700



**FIG. 16.**



**FIG. 18.**

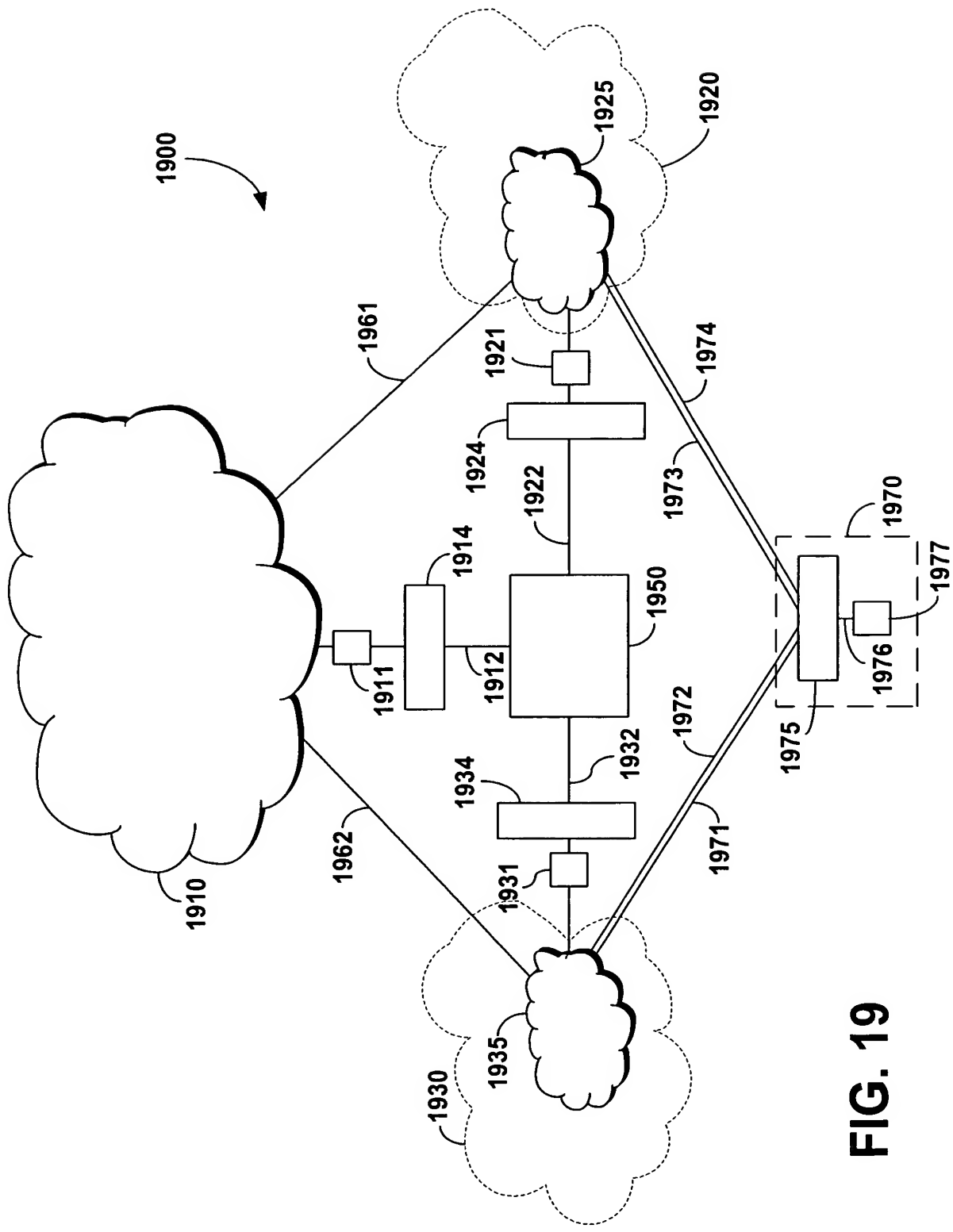


FIG. 19



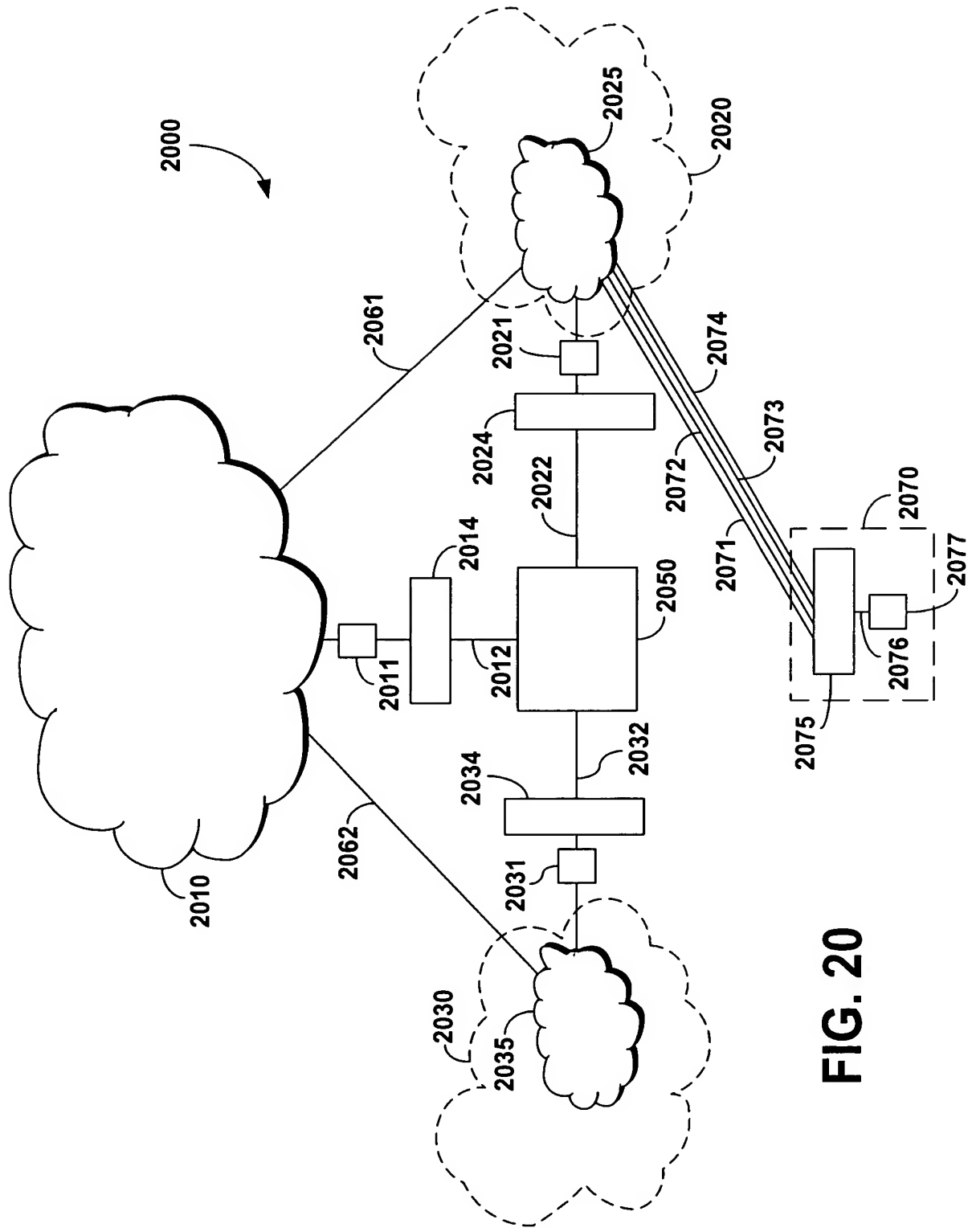
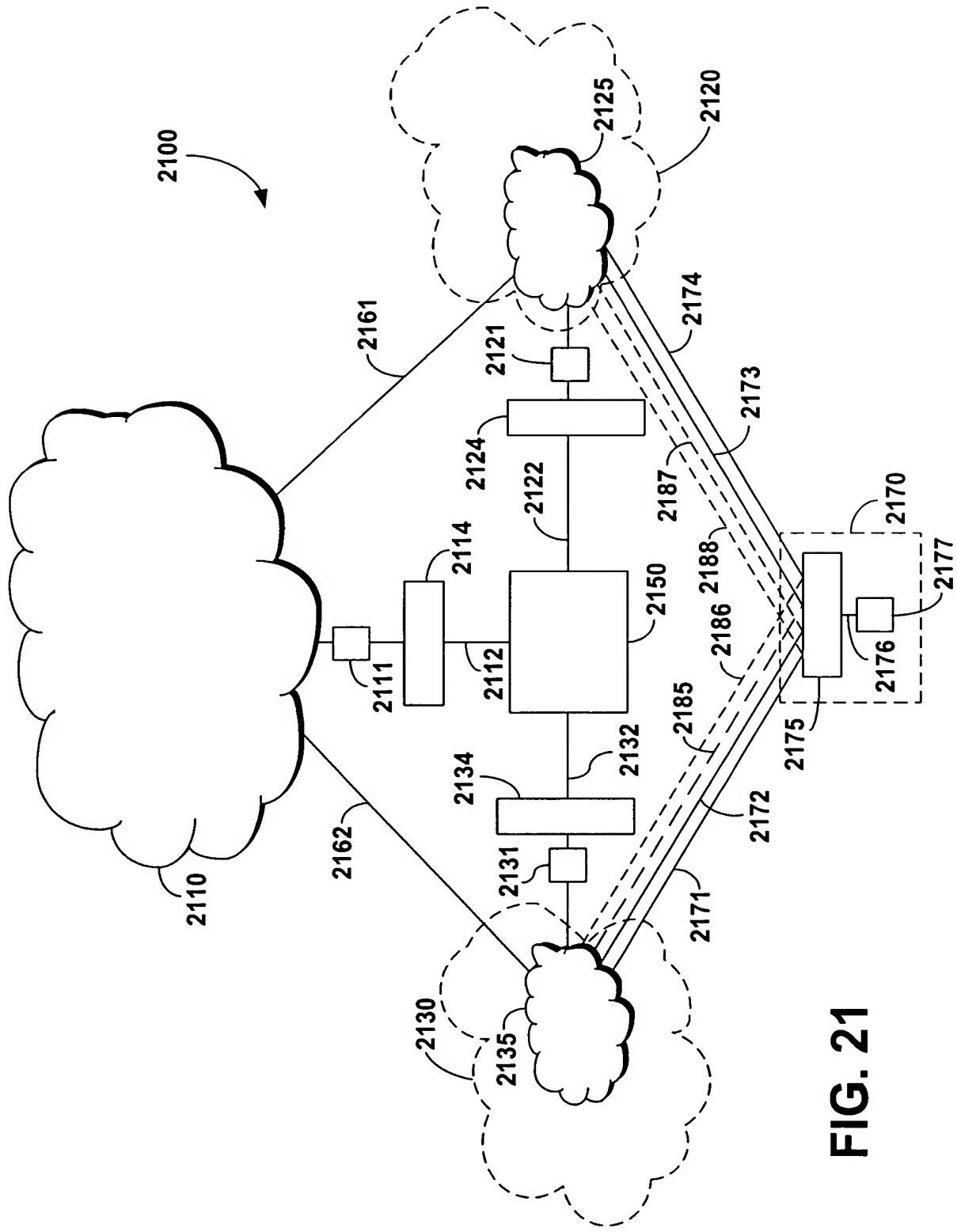
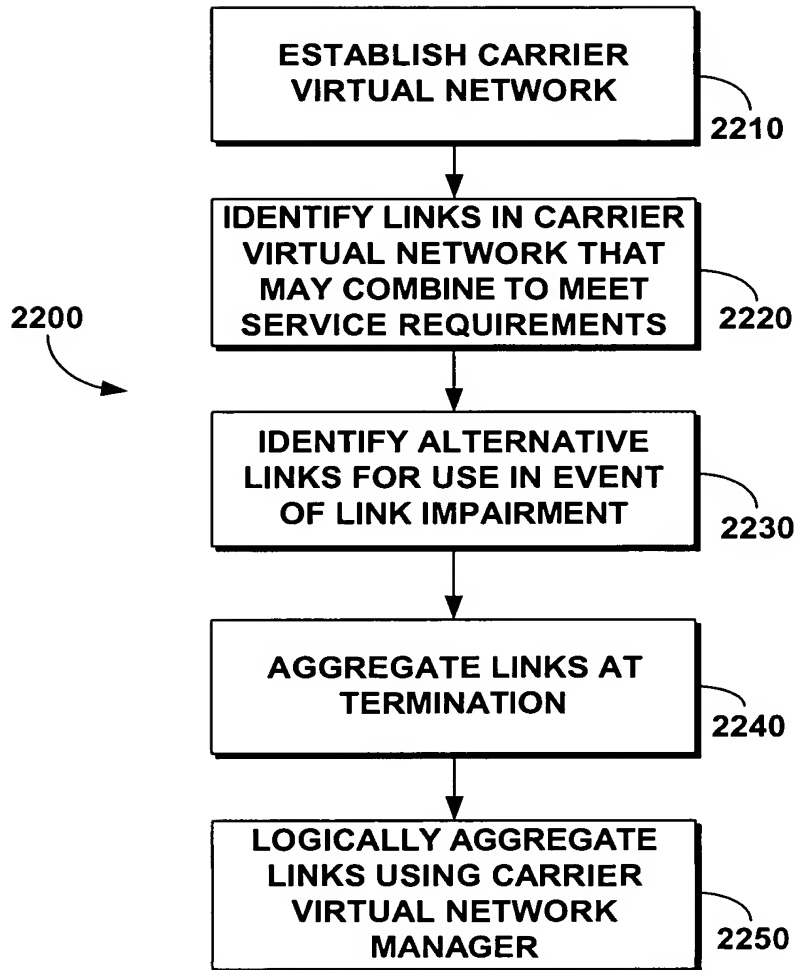


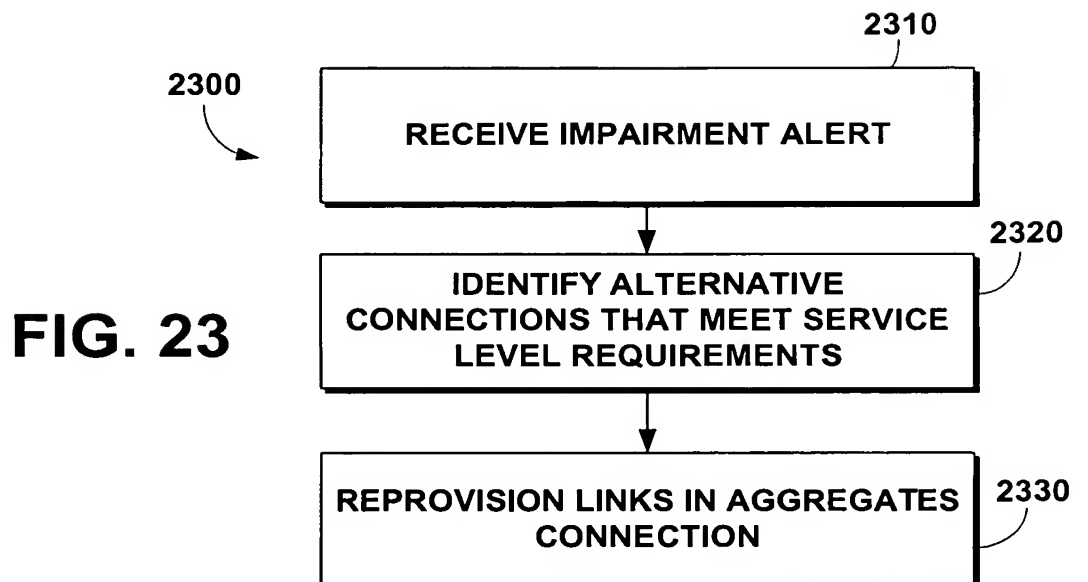
FIG. 20



**FIG. 21**

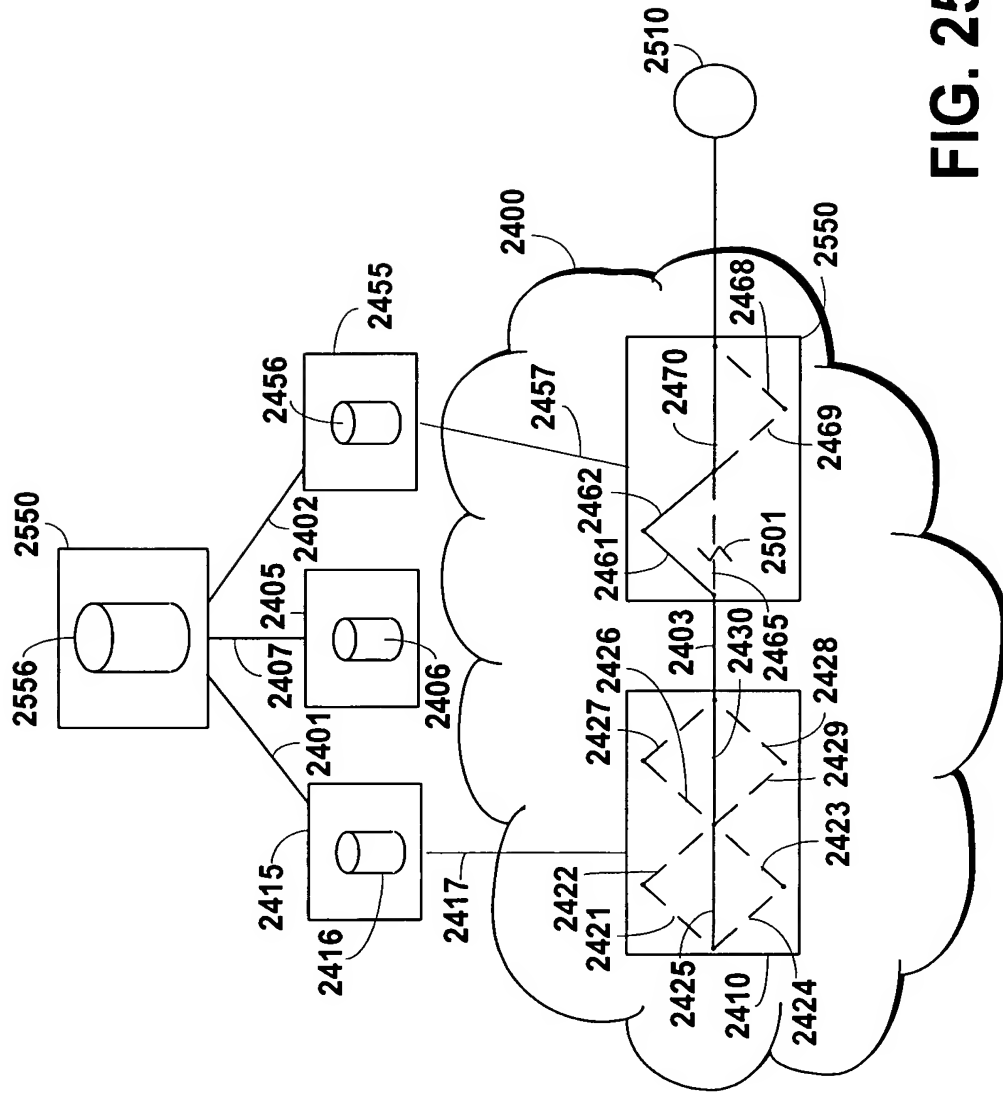


**FIG. 22**

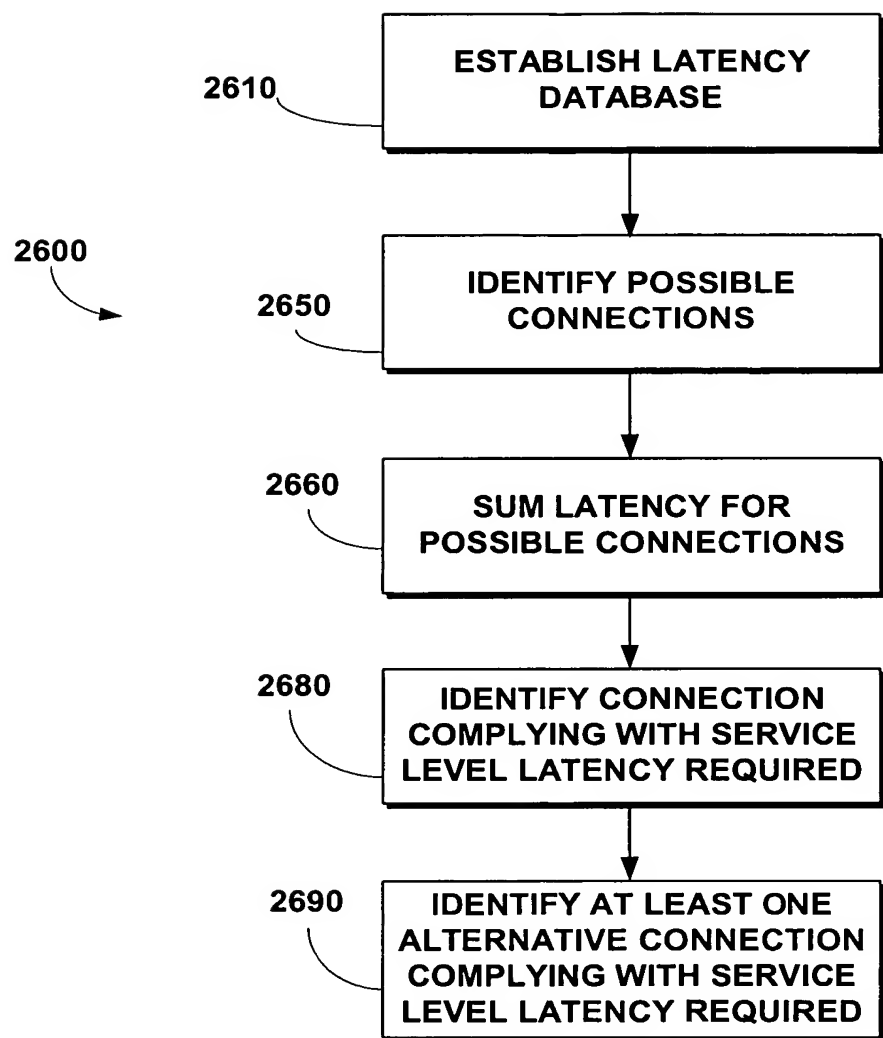


**FIG. 23**

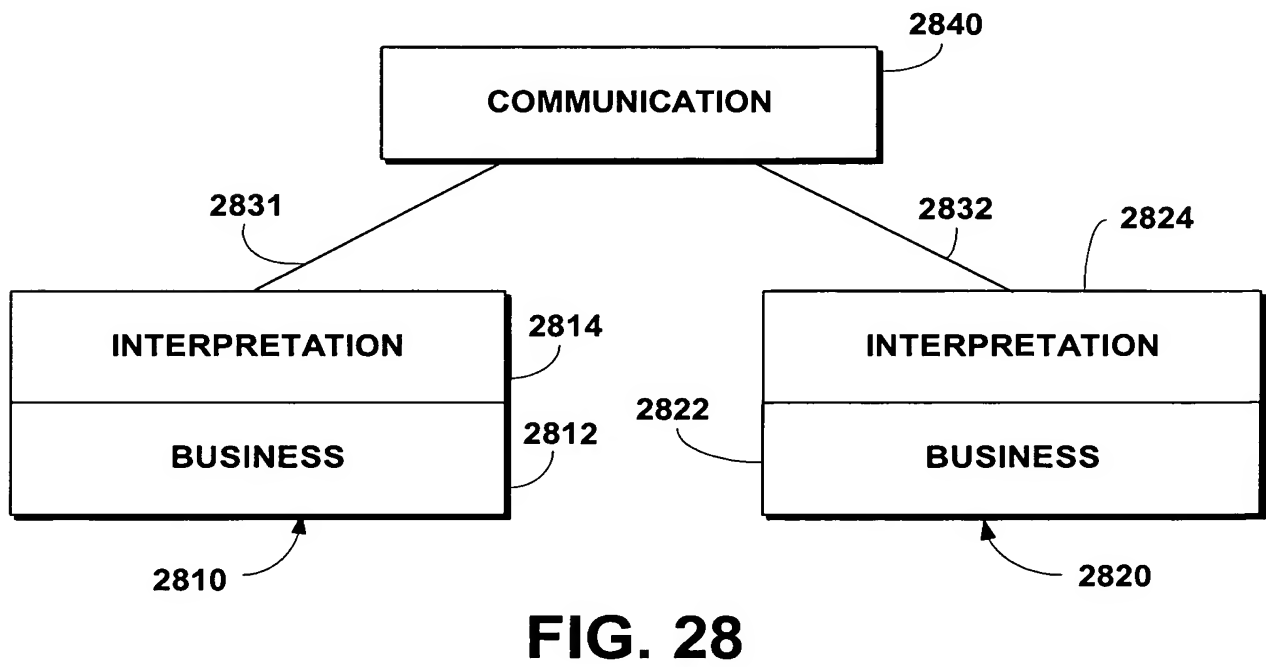
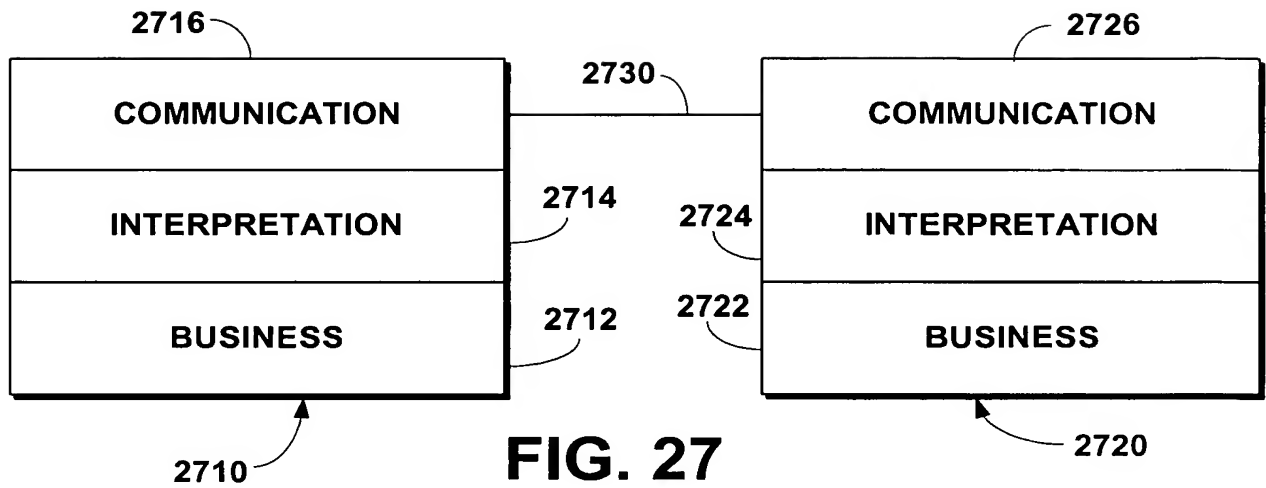


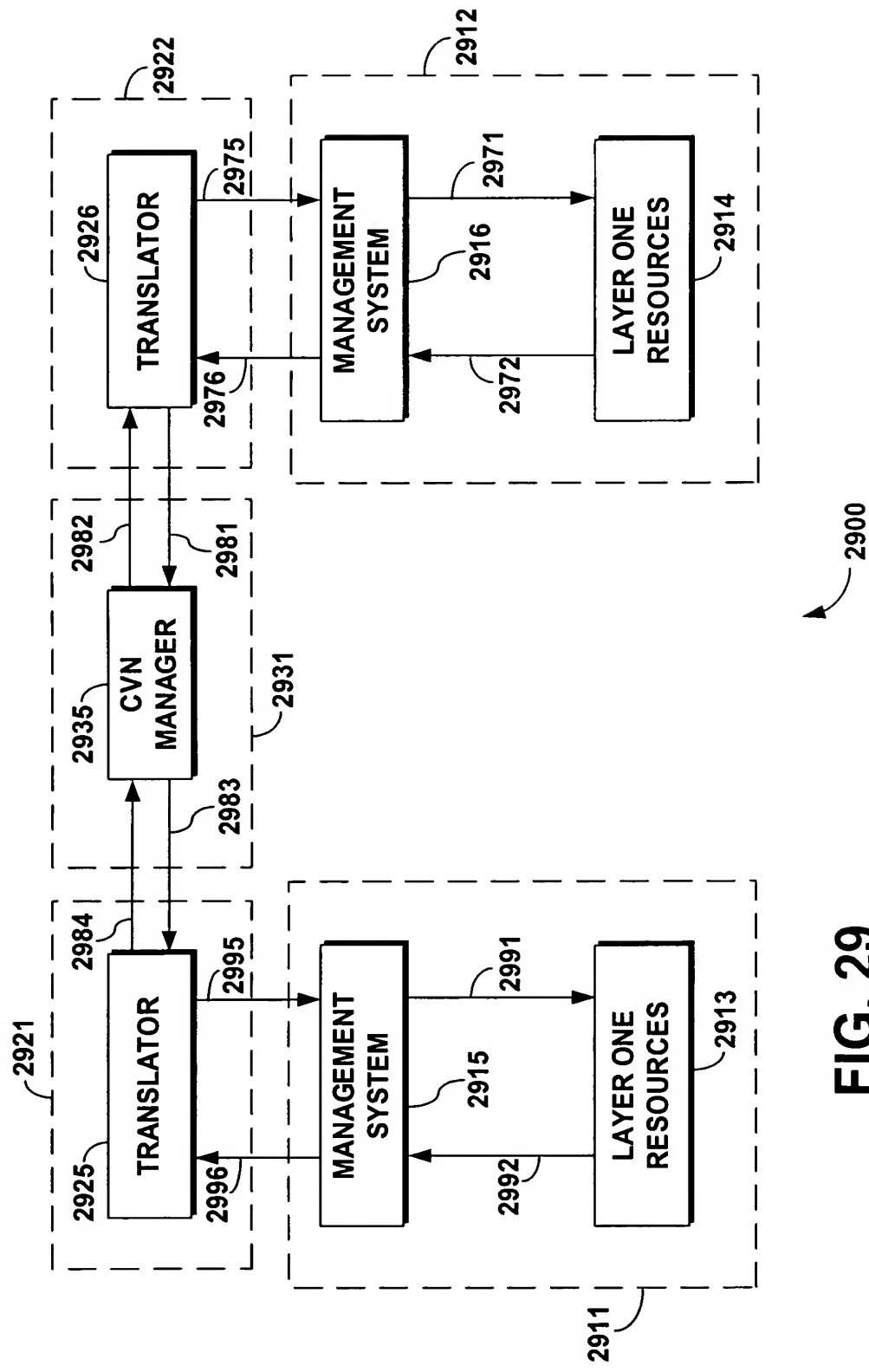


**FIG. 25**



**FIG. 26**





**FIG. 29**